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L2: Entry 3 of 5

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Oct 6, 1988

DERWENT-ACC-NO: 1988-286565

DERWENT-WEEK: 199621

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TITLE: Internally cooled catalyst bed reactor - for sulphur prodn. by catalytic conversion

INVENTOR: BRAUTIGAM, M; HEISEL, M ; MAROLD, F ; BRAEUTIGAM, M

PATENT-ASSIGNEE:

ASSIGNEE

CODE

LINDE AG

LINM

PRIORITY-DATA: 1987DE-3708957 (March 19, 1987)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 3708957 A	October 6, 1988		007	
<input type="checkbox"/> DE 3708957 C2	April 25, 1996		004	C01B017/04

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 3708957A	March 19, 1987	1987DE-3708957	
DE 3708957C2	March 19, 1987	1987DE-3708957	

INT-CL (IPC): B01J 8/02; C01B 17/04

ABSTRACTED-PUB-NO: DE 3708957A

BASIC-ABSTRACT:

A catalyst bed reactor, for catalytic conversion of H<sub>2</sub>S and SO<sub>2</sub> in a gas stream into elementary sulphur, is (partially) internally cooled and/or heated and has one or more cooling/heating coils in its catalyst bed.

ADVANTAGE - The reactor allows direct heating of the bed uniformly for catalyst regeneration and direct optimal cooling of the bed to promote the exothermic reaction. The direct bed cooling/heating allows inexpensive dimensioning of the reactor to suit almost any desired gas throughput, so that multiple reactors are not required.

ABSTRACTED-PUB-NO:

DE 3708957C

EQUIVALENT-ABSTRACTS:

A catalyst bed reactor, for catalytic conversion of H<sub>2</sub>S and SO<sub>2</sub> in a gas stream into elementary sulphur, is (partially) internally cooled and/or heated and has one or more cooling/heating coils in its catalyst bed.

ADVANTAGE - The reactor allows direct heating of the bed uniformly for catalyst regeneration and direct optimal cooling of the bed to promote the exothermic reaction. The direct bed cooling/heating allows inexpensive dimensioning of the reactor to suit almost any desired gas throughput, so that multiple reactors are not required.

CHOSEN-DRAWING: Dwg.0/4 Dwg.0/1

TITLE-TERMS: INTERNAL COOLING CATALYST BED REACTOR SULPHUR PRODUCE CATALYST CONVERT

DERWENT-CLASS: E36 J04

CPI-CODES: E31-F02; J04-E02; N06; N06-D;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

C116 C810 M411 M424 M720 M740 M903 M904 M910 N201

N209 N263 N282 N441

Specific Compounds

01725P

Registry Numbers

3102R 1678D

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0348S; 1273S ; 1674S ; 1725P ; 1785S

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-127164

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)